Ivan Monge

Mechatronic Engineer
Software Management and
Engineering

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https://github.com/ivanmongebadilla
https://ivanmongebadilla.github.io/portfolio/

I have a bachelor's degree in Mechatrnonic Engineering and a master's degree in software management and engineering. I have been passionate about software development since I was doing my bachelor's degree and during my engineer career, I have developed different software and scripts (VBA, JavaScript, Python) to my team and other teams to automate repetitive tasks. I also developed a computer vision system from scratch using python. I have more than 6 years of experience in the automotive industry, but I am looking for my opportunity to change path to software development.

Soft Skills

- Creative Problem Solving
- Collaboration & TeamWork
- Multitasking
- Critical Thinking
- Self-Motivation
- Work Ethic
- Fast Learner
- Persistence

Technical Skills

- HTML
- CSS
- SASS
- React
- Redux
- React Router
- Context
- JavaScript
- Git
- Python
- React Native
- MongoDB
- Scapy
- Tkinter
- OpenCV
- Tanstack/Query
- NodeJs
- Bootstrap

Projects

Cockatil Finder. Application to find the instructions of different cocktails. This was developed with React and uses thecocktaildb API. https://ivan-monge-drink-app.netlify.app/

E-Commerce. This application was developed with React using Context, Reactstrap, React Router, Tanstack/React-Query, etc. Data is fetched from Fake Store API. https://ivanmonge-ecommerce-app.netlify.app/

Hotel Reviewer. Webpage where you can review hotels and also leave comments. This application uses json-server to fetch the hotel and reviews. Also, json-server auth is used for authentication. https://github.com/ivanmongebadilla/auth-app

Crossfit Webpage. Application developed with html, SASS and JavaScript. It is fully responsive for different viewports. https://ivanmongebadilla.github.io/crossfitWebpage/

Computer Vision System. This application was developed for a private company to detect printed lot numbers in the packaging bottles. Developed with python, tkinter, OpenCV. https://github.com/ivanmongebadilla/python-CVS

Training Application. React Native application using Express backend and MongoDB. This application also uses redux to manage the store. https://github.com/ivanmongebadilla/FinalHonors

Experience

12/2022 – CURRENT
ADAS Production Engineer / Lucid Motors, Casa Grande AZ.
10/2021 – 12/2022
Automation Engineer / Gowan Milling, Yuma AZ.
03/2021 – 10/2021
Electrical/Software Design Engineer / Kenworth, Mexicali B.C.
01/2019 – 02/2021
PACCAR Engine Liaison / Kenworth, Mexicali B.C.
09/2017 – 02/2019
Electrical/Software Liaison Engineer / Kenworth, Mexicali B.C.
04/2016 – 09/2017
Electrical Design Engineer / Kenworth, Kirkland WA.

Education

08/2011 – 02/2016
Bachelor's Degree Mechatronic Engineering / CETYS, Mexicali B.C.
09/2019 – 12/2020
Master Software Management and Engineering / Universidad Tecnológica Latinoamericana
10/2022 – 03/2023
Full Stack Web and Mobile Development / Nucamp Coding Bootcamp

Certifications

- Advanced CSS and SASS - Udemy
- React – The Complete Guide 2023 - Udemy
- SLC 500 Controller - Rockwell Automation
- Factory Talk - Rockwell Automation
- Design for Six Sigma - PACCAR Inc.
- Lean Manufacturing - PACCAR Inc.